

Contributors to This Issue

R. W. Coons, Western Electric Company, 1942-1948; Bell Laboratories, 1948—. Mr. Coons has worked mainly on the design and calibration of precision impedance measuring equipment. He was also involved in the design of microwave adjustable attenuators for the TH frequency band. Recently he has been working on a bridge applique to coZY that will provide improved accuracy from 2 to 30 MHz.

Narain Gehani, B. Tech., 1969, Indian Institute of Technology; M.S., 1975, Ph.D. (computer science), 1975, Cornell University; State University of New York at Buffalo, 1975-1978; Bell Laboratories, 1978—. From September 1975 to June 1978, Mr. Gehani was an Assistant Professor at State University of New York at Buffalo. His research and consulting interests include programming methodology and language design, office automation, concurrent programming, program correctness, compilers, data structures, and specification techniques.

O. Johnsen, Diploma in E.E., 1974, Ph.D., 1979, Ecole Polytechnique Federale de Lausanne, Switzerland; Ecole Polytechnique Federale de Lausanne, 1974-1979; Bell Laboratories, 1979—. Mr. Johnsen was assistant at the Signal Processing Laboratory of the Ecole Polytechnique Federale de Lausanne, working in the field of picture coding. At Bell Laboratories, as a member of the Visual Communications Research Department, he is involved in research in picture processing and coding and in communication systems.

Cory Myers, B.S., M.S. (electrical engineering and computer science), 1980, Massachusetts Institute of Technology, Cambridge; Bell Laboratories, 1977—. At Bell Laboratories, Mr. Myers initially worked on computer graphics, digital circuit design, and dynamic programming for speech recognition. He is currently in the digital signal processing group, where his interests include speech processing, recognition, and digital signal processing.

Kurt Nassau, B.Sc. (physics and chemistry), 1948, University of Bristol, England; Ph.D. (chemistry), 1959, University of Pittsburgh; Glyco Products Co., Inc., Williamsport, Pa., 1948-1954; Walter Reed Army Medical Center, Washington, DC, 1954-1956; Bell Laboratories, 1959—. He has worked in the areas of crystal chemistry, lasers, ferroelectric and related crystals, crystal growth and the clarification of the role of convection in Czochralski pulling, the origin of color in crystals including irradiation-induced colors, and the preparation of novel glasses by rapid quenching. Currently he is investigating glasses for long-distance optical waveguides. Member, American Chemical Society, American Crystallographic Association, American Association for Crystal Growth, Phi Lambda Upsilon; Fellow, Mineralogical Society of America.

Arun N. Netravali, B. Tech. (Honors), 1967, Indian Institute of Technology, Bombay, India; M.S., 1969, Ph.D. (electrical engineering), 1970, Rice University; Optimal Data Corporation, 1970-1972; Bell Laboratories, 1972—. Mr. Netravali has worked on problems related to filtering, guidance, and control for the space shuttle. At Bell Laboratories, he has worked on various aspects of signal processing. He is presently Head of the Visual Communication Research Department and a Visiting Professor in the Department of Electrical Engineering at Rutgers University. Member, Tau Beta Pi, Sigma Xi; Senior Member, IEEE.

Irwin W. Sandberg, B.E.E., 1955, M.E.E., 1956, and D.E.E., 1958, Polytechnic Institute of Brooklyn; Bell Laboratories, 1958—. Mr. Sandberg has been concerned with analysis of radar systems for military defense, synthesis and analysis of active and time-varying networks, several fundamental studies of properties of nonlinear systems, and with some problems in communication theory and numerical analysis. His more recent interests include macroeconomics, compartmental models, the theory of digital filtering, and global implicit-function theorems. Former Vice Chairman IEEE Group on Circuit Theory, and Former Guest Editor IEEE Transactions on Circuit Theory Special Issue on Active and Digital Networks. Fellow and member, IEEE; member, American Association for the Advancement of Science, Eta Kappa Nu, Sigma Xi, and Tau Beta Pi.

Robert C. Strum, B.S. (engineering science), 1966, Pennsylvania State University; M.Eng. (electrical engineering), 1967, Cornell University; M.S. (systems engineering), 1979, University of Pennsylvania;

Bell Laboratories, 1966—. Mr. Strum has worked in the areas of impedance calibration and computer-controlled measurements of impedance. He has also been involved with manual and computer-controlled measurements in fiber optics. His current activity concerns computer-based control systems for digital satellite networks. Member, IEEE, Tau Beta Pi.

Lowell D. White, A.B. (physics), 1949, M.A. (physics), 1951, Ph.D. (physics), 1956, Princeton University; Princeton University, 1953–1955; Bell Laboratories, 1955—. Mr. White's early work included research in traveling wave tubes and ammonia masers, followed by development of millimeter-wave transmission measuring sets. Since 1966, he has been involved primarily in the development of impedance standards and measuring equipment for use in developing and characterizing components, particularly ferromagnetic inductors, for transmission systems. Currently, Mr. White supervises a group concerned with test facilities for a lightwave undersea cable system. Member, American Physical Society, IEEE.

